## ABSTRACT

One aspect of the present invention is a clock switching circuit for switching between asynchronous second clock when connecting and clock disconnecting an interface cable having a hot-plug function, and comprising: a first group of flip-flops for receiving an interface disconnection signal that corresponds to disconnection and connection of the interface cable in response to the first clock; and a second group of flip-flops for receiving the interface disconnection signal in response to the second clock. 10 Furthermore, in this invention, as for the first flip-flop group, the flip-flop of the final stage thereof outputs a first selection signal through the first clock edges whose number is the stage number of the first flip-flop group, when the interface cable is disconnected; and the 15flip-flop of the final stage thereof outputs a first no-selection signal through one clock edge when the interface cable is connected. Also, the first clock is selected and output in response to the first selection signal, and the output of the first clock is prohibited 20 in response to the first no-selection signal. Moreover, as for the second flip-flop group, the flip-flop of the final stage thereof outputs a second selection signal through the second clock edges whose number is the stage number of the second flip-flop group, when the interface 25cable is connected; and the flip-flop of the final stage thereof outputs a second no-selection signal through one clock edge when the interface caple is disconnected. The second clock is selected and output in response to the second selection signal, and the output of the second clock is prohibited in response to the second no-selection signal. In this invention, the second flip-flop group has more stages than the first flip-flop group by an amount that corresponds to the relationship between the frequency of the first and second clocks.